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APPLICANT : NIPPON MINING CO LTD;

INVENTOR : KAWASHIMA REIJI;

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TITLE : DISSOLVING METHOD OF METALLIC ZINC

ABSTRACT : PURPOSE: To obtain a plating soln., etc. for zinc or zinc alloy plating without generating passivation of metallic zinc by dissolving the metallic zinc in the presence of a conductive carbide material.

CONSTITUTION: Metallic zinc is dissolved by a method of pouring downward an acidic liquid contg. zinc and alloy elements except zinc in a column packed therein with the metallic zinc and one kind of either coke or carbide material such as TiC. By such method the metallic zinc can be dissolved by a stable operation without generating passivation of metallic zinc. If the non-dissolved materials are separated from the liquid completed of dissolution by settling or filtering, said liquid is usable directly as a plating soln., etc.

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